

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 January 2004 (15.01.2004)

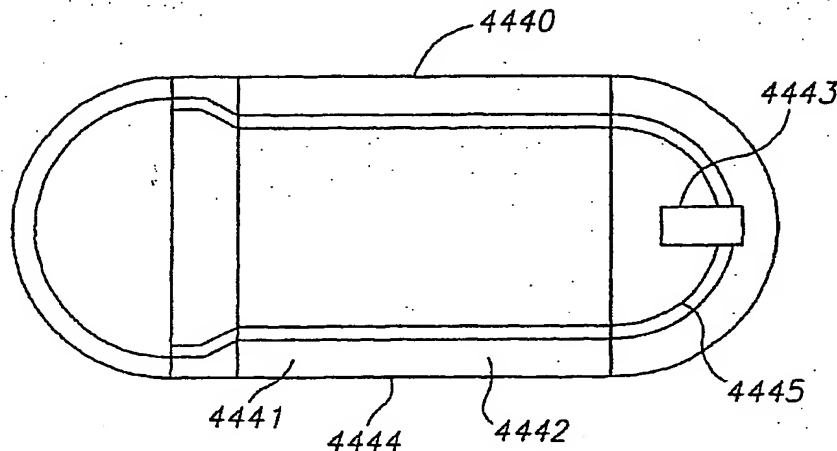
PCT

(10) International Publication Number
WO 2004/004540 A3

- (51) International Patent Classification⁷: A61B 5/103, 5/117
- (21) International Application Number: PCT/IL2003/000559
- (22) International Filing Date: 3 July 2003 (03.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/393,300 3 July 2002 (03.07.2002) US
60/435,363 23 December 2002 (23.12.2002) US
- (71) Applicant (for all designated States except US): GIVEN IMAGING LTD. [IL/IL]; P.O.B 258, 20692 Yotvata Ilite (IL.)
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): IDAN, Gavriel J. [IL/IL]; 44A Einstein Street, 34602 Haifa (IL); GILAD, Zvika [IL/IL]; 19 Moshe Sme. Hosh Hacarmel, 34987 Haifa (IL.)
- (74) Agents: EITAN, PEARL, LATZER & COHEN-ZEDEK et al.; 2 Gav Yam Center, 7 Shenkar Street, 46725 Herzlia (IL.)
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- (88) Date of publication of the international search report: 18 March 2004

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR SENSING IN-VIVO STRESS AND PRESSURE



(57) Abstract: A device (4440), system and method may sense and/or analyze in-vivo pressure or stress, and may in addition sense other data, such as for example, image data. An in-vivo device (4440) may include a stress or pressure sensor (4443), and possibly an additional sensor, such as an image sensor, a pH sensor, etc. In one example the stress or pressure sensor (4443) is connected to a shell (4444) of the device.

WO 2004/004540 A3

BEST AVAILABLE COPY